

Time: 2 Hours 40 Minutes

SECTION-B

Marks: 32

1. Attempt any eight of the following. All carry equal marks.

- i. Define anatomy, histology, entomology and genetics.
- ii. What is colonial organization?
- iii. What deductions were developed during the study of malaria?
- iv. Write down the advantages of binomial nomenclature.
- v. Differentiate between endocytosis and exocytosis.
- vi. Write a note on mitochondria.
- vii. What is nervous tissue?
- viii. Write down any two significances of mitosis.
- ix. Describe lactic acid fermentation?
- x. Write down the advantages of organic fertilizers.
- xi. What is leukaemia?

SECTION-C

Marks: 21

NOTE: Attempt any three of the following questions. All questions carry equal marks.

2. i. Define biophysics, biochemistry and bio-economics.

ii. Describe the importance of biodiversity.

3. i. Differentiate between prokaryotic cell and eukaryotic cell.

ii. Describe the significance of meiosis.

4. i. Write down the effects of pH and concentration of substrate on enzyme activity.

ii. Describe alcoholic fermentation.

5. i. Explain the role of oral cavity and pharynx in digestive system.

ii. Describe cardiac cycle.